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TIPI project – A WebGIS application to monitor traffic and road events

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Jean-Michel Poux – Ministry of Transportations
2010, august the 9th

ID card - TIPI project & « Bison Futé » Service

- Project Name_ TIPI
- End user service name « Bison Futé »
- Project owner French Ministry of Transportation
- Geographical area France
- Dates Born in 2006 and currently in deployment

- Goals :
  - Collecting automatically and from road information centers, authorities, car drivers, …
  - Qualifying traffic and road events (accidents, traffic jams, road works, weather events, …)
  - Dispatching automatically and by subscription
- About 80 users that edit events datas
- Between 2000 and 6000 messages at one time to relay
- More than 2000 professional users and subscribers

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Data suppliers and users

Collect **Qualify** **Publish**

Trafic

Événements routiers

Tipi

Systèmes embarqués

Équipements dynamiques

Bison Futé

Autres SI

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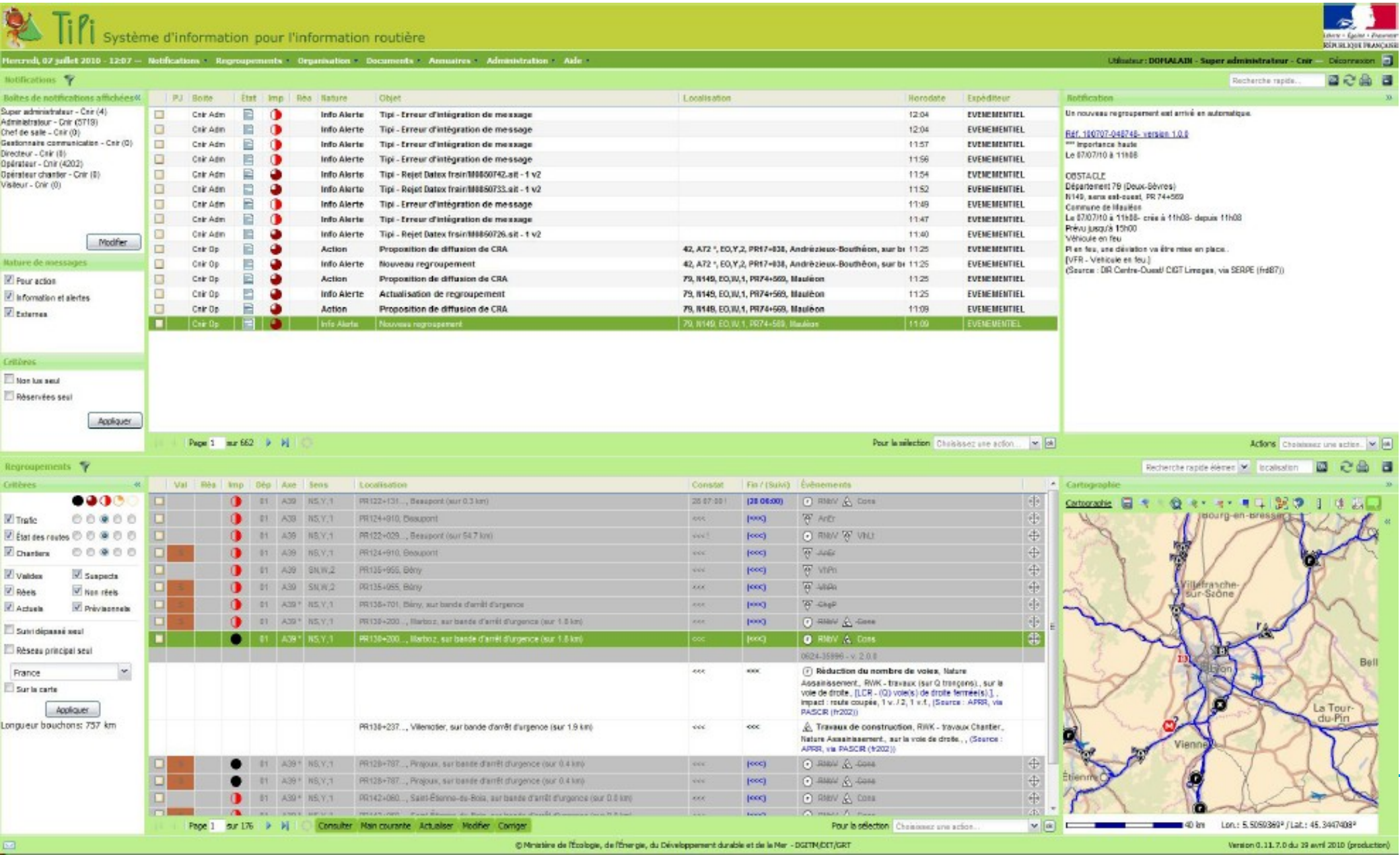
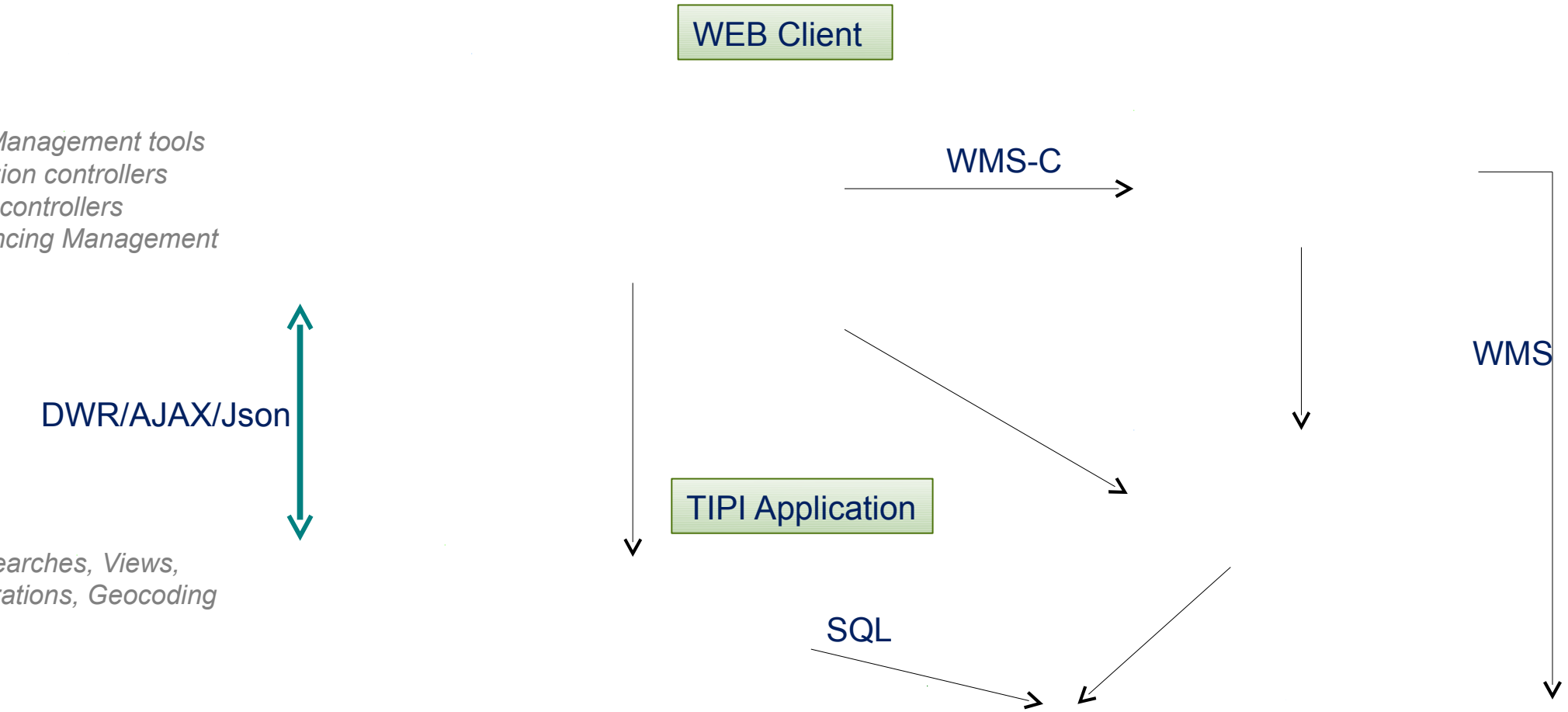
What does it look like ?



Technical architecture



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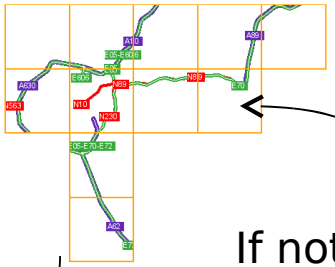
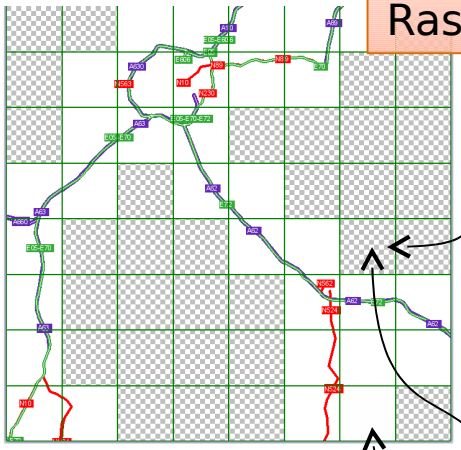
Cache mecanism

tileCache



If not found

Static cache :
Raster & static vectors

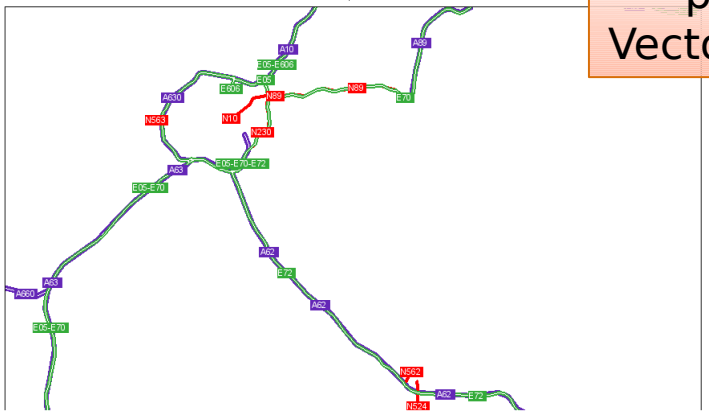


Blank tile

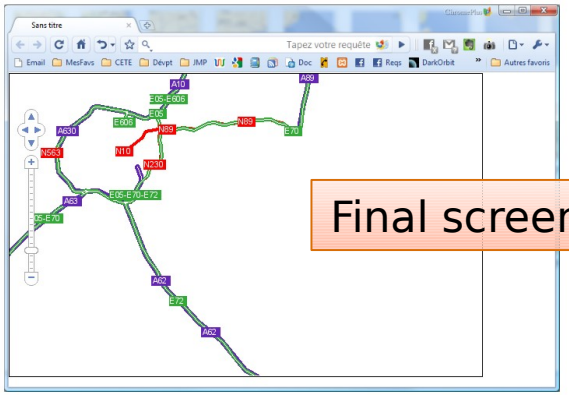
Tile or
Blank tile ?

If not in the cache

postGIS



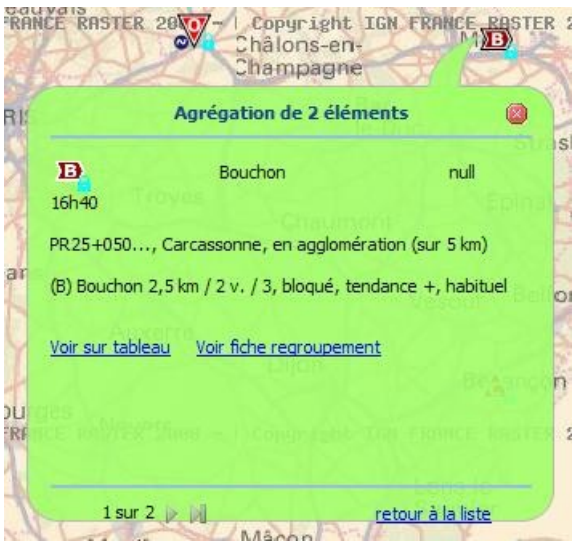
postGIS
Vectorial datas

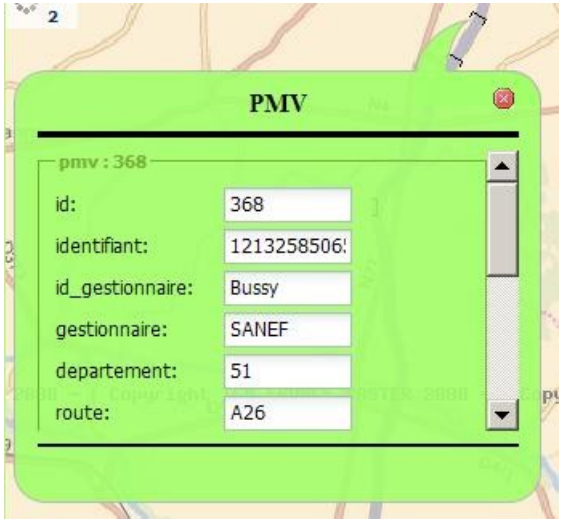


Final screen

What has been committed in FOSS ?

- OpenLayers
  - Vectorial symbol dictionary (SVG)





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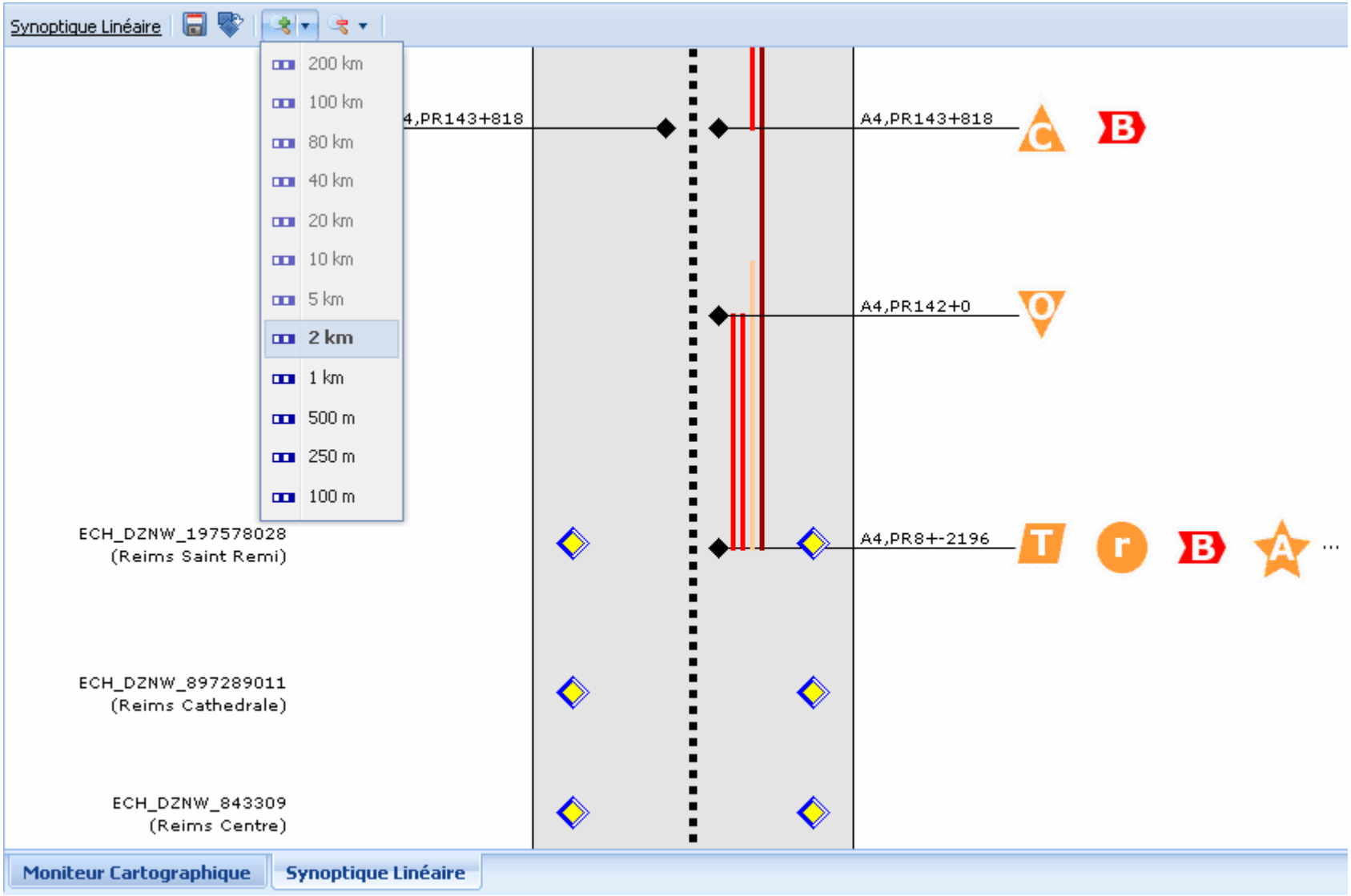
Focus on linear synoptic



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Expected evolutions

- GeoEXT integration
- Clustering PostGIS
- Itinerary calculation
- Collaborative edition of Datas

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